

APPARATUS FOR REGULATING VOLTAGE

ABSTRACT OF THE DISCLOSURE

An apparatus for regulating voltage for at least one differential transistor pair having a voltage follower buffer, the voltage follower section having a first voltage-temperature response, includes: (a) a differential amplifier having two input loci and an output locus, a first input locus of the two input loci receiving a reference voltage; (b) a temperature responsive unit coupled between
5 the output locus and ground; and (c) a feedback line coupled between the temperature responsive unit and a second input locus of the two input loci. The temperature responsive unit has a second voltage-temperature response similar to the first voltage-temperature response.